

**LESSON 105 ANSWERS** .....

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|--|---|
| 1. $(x + 1)(x - 2) = 0$<br>$x = -1, x = 2$                         | 2. $(x - 2)(x - 3) = 0$<br>$x = 2, x = 3$                           |
| 3. $(x + 2)(x + 6) = 0$<br>$x = -2, x = -6$                        | 4. $(x - 1)(x - 6) = 0$<br>$x = 1, x = 6$                           |
| 5. $(x + 1)(x + 3) = 0$<br>$x = -1, x = -3$                        | 6. $(x - 3)(x + 4) = 0$<br>$x = 3, x = -4$                          |
| 7. $(x - 2)(x - 5) = 0$<br>$x = 2, x = 5$                          | 8. $(x - 1)(x - 8) = 0$<br>$x = 1, x = 8$                           |
| 9. $(x + 2)^2 = 0$<br>$x = -2$                                     | 10. $(x - 3)(x - 4) = 0$<br>$x = 3, x = 4$                          |
| 11. $(x + 4)(x + 8) = 0$<br>$x = -4, x = -8$                       | 12. $(x - 4)(x + 9) = 0$<br>$x = 4, x = -9$                         |
| 13. $x^2 + x - 6 = 0$<br>$(x - 2)(x + 3) = 0$<br>$x = 2, x = -3$   | 14. $x^2 - 6x + 8 = 0$<br>$(x - 2)(x - 4) = 0$<br>$x = 2, x = 4$    |
| 15. $x^2 - 2x - 15 = 0$<br>$(x + 3)(x - 5) = 0$<br>$x = -3, x = 5$ | 16. $x^2 + 2x - 8 = 0$<br>$(x - 2)(x + 4) = 0$<br>$x = 2, x = -4$   |
| 17. $x^2 + 5x + 4 = 0$<br>$(x + 1)(x + 4) = 0$<br>$x = -1, x = -4$ | 18. $x^2 + 9x + 18 = 0$<br>$(x + 3)(x + 6) = 0$<br>$x = -3, x = -6$ |
| 19. $x^2 + 3x - 10 = 0$<br>$(x - 2)(x + 5) = 0$<br>$x = 2, x = -5$ | 20. $x^2 - 13x + 40 = 0$<br>$(x - 5)(x - 8) = 0$<br>$x = 5, x = 8$  |
| 21. $x^2 - 10x + 16 = 0$<br>$(x - 2)(x - 8) = 0$<br>$x = 2, x = 8$ | 22. $x^2 - 4x - 5 = 0$<br>$(x + 1)(x - 5) = 0$<br>$x = -1, x = 5$   |
| 23. $x^2 + 8x + 7 = 0$<br>$(x + 1)(x + 7) = 0$<br>$x = -1, x = -7$ | 24. $x^2 + 9x + 14 = 0$<br>$(x + 2)(x + 7) = 0$<br>$x = -2, x = -7$ |